



4600 West 60th Avenue Arvada, Colorado 80003 T 303.433.9788 / F 303.433.1432

January 11, 2018

Ms. Alexis North Office of Enforcement, Compliance & Environmental Justice **EPA Region 8** 1595 Wynkoop Street (8ENF-AT) Denver, CO 80202-1129

RE: NSPS Subpart OOOOa Initial Report

Cub Creek Energy

RECEIVED

FEB 1 3 2018

Contractor Entonics Compliance & Environmental Justice

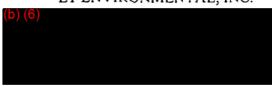
Dear Ms. North,

LT Environmental, Inc. (LTE) is submitting on behalf of Cub Creek Energy the attached initial report for NSPS Subpart OOOOa for the November 9, 2016 through November 8, 2017 reporting period. This package includes the appropriate portions of the EPA provided reporting template, as well as a signed certification of completeness by a responsible official.

Please feel free to contact me at 303-704-1066 or cdimarco@ltenv.com if you have questions.

Sincerely,

LT ENVIRONMENTAL, INC.



Chris DiMarco Project Air Quality Scientist

cc: Tracy Butzen - Cub Creek Energy



Name: (Last)	Saily (F	irst) Scott	(MI) <u>\$.</u> _
Title Vice Pres	ident of Land		
Street or P.O. Box	200 Plaza Drive,	Swite 100	
City Highlands	's Ranch	State _Co ZIF	80129
			303) 446 - 6148
	ruth, Accuracy and Co	ompleteness (to be s	gned by the responsible
official)			
I certify under pena			ormed after reasonable uments are true, accura
I certify under pena inquiry, the statem			

ALCH Fart 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report

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	E-045-039-05-05-05									
	Facility Record No. *	,	1	,	1	1			,	,
	Company Name * (\$60.5420a(b)(1)(i))	Cub Creek Energy	Cub Crook Energy	Cub Creek Energy	Cub Creek Energy					
	Facility Site Name * (960.5420a(b)(1)(ii)	Vel Ped	Ved Pad	Vall Pad	Val Pad	Val Pag	Val Pad	Voil Pad	Vail Pad	Vail Pad
SITE INFORMATION	US Well ID or US Well ID Associated with the Affected Facility, if applicable. * (560.5420a(b)(1)(i))	05-123-42854								
SHE INFORMATION	Address of Affected	05-125-47254	05-128-42255	05-123-42256	05-129-42257	05-125-42258	05-123-42259	05-123-42260	05-123-42261	05-123-42262
	Facility * (660.5420a(b)(1)(i)) Address 2	SWNW Sec 12 T4N R68W	SWNW Sec 12 T4N RSBW	SWWW Sec 12 T4N RSEW	SWNW Sec 12 T4N RGBW	SWNW Sec 12 T4N RGBW	SWNW Sec 12 TAN ASSW	5WNW Sec 12 T4N R68W	SWNW Sec 12 T4N R68W	SWNW Sec 12 Ten RSEW
	City *	Inhestows	Johnstown	Johnstown						
	County *	WELD	WELD							
	State Abbreviation *	CO	CO	60	CO	CO	60	CO	CO	60
	Zip Code *	80534	80534	80534	80534	80534	80534	80534	B0534	80514
	Responsible Agency		21111			7.00				6377
	Facility 10 (State									
	Facility identifier)									
	Description of Site									
	Location	3 miles from Johnstown on Hwy	I miles from Johnstown on Hwy	3 miles from Johnstown on Hwy	3 miles from Johnstown on Hey	3 miles from Johnstown on H				
	(\$60.5420+(b)(1)(i))	60, then 1/2 mile south.	60, then 1/2 mile south	60, then 1/2 talle south.	60, then 1/2 mile south.	60, then 1/2 mile south.	60, then 1/2 mile south.			
	Latitude of the Sine									
	(decimal degrees to 5	(b) (9)								
	decimals using the	(8)								
LTERNATIVE ADDRESS INFORMATION	North American									
OF NO PHYSICAL ADDRESS AVAILABLE	Datum of 1983)									
FOR SITE *)	(960.5420w(b)(1)(ii)									
ron arre y										
	Longitude of the Site									
	(decimal degrees to 5									
	decimals using the									
	North American									
	Deturn of 1983)									
	[\$60.5420a(b)(1)(i))									
	Beginning Date of									
	Reporting Period.*						1			
	(960.542Gu(b)(1)(iii))	11/9/2016	11/9/2016	11/9/2016	11/9/2016	11/9/2016	11/9/1016	11/9/2016	11/9/2016	13/9/2016
REPORTING INFORMATION	200/00/00/00	10.01111	40.0000		74.0.444		12/7/14/0	LUMBER	10 20 10 10	140/1016
	Ending Date of									
	Reporting Period.*									
	(\$60.5420a(b)(1)(iii))	11/8/2017	31/4/2017	11/8/2017	11/9/2017	11/8/2017	11/8/2017	11/8/2017	11/9/2017	13/8/2017
	Please provide the file name that contains									
							1			
	the certification						l			
	signed by a qualified									
	professional engineer									
PE Certification	for each closed vent system routing to a									
	system routing to a control device or						1			
	process.*									
	(560.5420u(b)(12))						1			
	Please provide only									
	one file per record.						1			
	one resiper record.									
	122 MED 11 11 11									
	Please enter any									
	additional									
ADDITIONAL INFORMATION	information.									
ADDITIONAL INFORMATION										
	Enter associated file									
The same of the sa	Enter associated file name reference.									

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report

For the collection of fugitive emissions components at each well site and the collection of fugitive emissions components at each compressor station within the company-defined area, an owner or operator must include the records of each monitoring survey including the information specified in paragraphs (b)(7)(i) through (xii) of this section in all annual reports:

Facility Record No. *							
	1	1	1	1			
Identification of Each Affected Facility * (§60.5420a(b)(1))	Vall Pad	Vall Pad	Vail Pad	Vail Pad			
Date of Survey * (§60 5420a(b)(7)(l))	4/21/2017	12/8/2017	12/8/2017	12/8/2017			T
Survey Begin Time * (§60.5420a(b)(7)(ii))	8:00am	12:37PM	12:37PM	12:37PM			T
Survey End Time * (§60.5420a(b)(7)(ii))	9:00am	1:36PM	1:36PM	1:36PM			T
Name of Surveyor *	(b) (6)						T
(\$60.5420a(b)(7)(iii)) Ambient Temperature	(b) (b)						₩
During Survey * (§60.5420a(b)(7)(iv))	40F	57F	57F	57F			L
Sky Conditions During Survey * (§60.5420a(b)(7)(iv))	Sunny	Partly Cloudy	Partly Cloudy	Partly Cloudy			
Maximum Wind Speed During Survey *							Ť
(560.5420a(b)(7)(iv))	10mph	17mph	17mph	17mph	-		╀
Monitoring Instrument Used * (§60.5420a(b)(7)(v))	IR Camera	IR Camera	IR Camera	IR Camera			
Deviations From Monitoring Plan (If none, state none.) * (§60.5420a(b)(?)(vi))	None	None	None	None			
Type of Component for which Fugitive Emissions Detected * (§60.5420a(b)(7)(viii)	NA .	Valve	Connector	Thief Hatch			
thember of Earth France							Ť
Number of Each Component Type for which Fugitive Emissions Detected * (§60.5420a(b)(7)(viii)	0	2	1	2		×	
Type of Component Not Repaired as Required in \$60.5397a(h) * (\$60.5420a(b)(7)(viii))	NA.	NA.	NA.	NA.			
Number of Each Component Type Not Repaired as Required in § 60.5397a(h) * (§60.5420a(b)(7)(viii))							İ
(Ann 241 na (n) (sud)	0	0	0	0		-	╀
Type of Difficult-to-Monitor Components Monitored * (§60.5420a(b)(7)(ix))	NA.	NA.	NA.	NA NA			
Number of Each Difficult-to- Monitor Component Type Monitored *			no.	100			İ
(\$60.5420a(b)(7)(ix))	0	0	0	0			1
Type of Unsafe-to-Monitor Component Monitored * (660.5420a(b)(7)(ix))							
	NA.	NA.	NA NA	NA NA			+
Number of Each Unsafe-to- Monitor Component Type Monitored * (\$60.5420a(b)(7)(ix))	0			0			
Date of Successful Repair of Fugitive Emissions Component * [§60.5420a(b)(7)(x))		12/8/2017	12/8/2017	12/8/2017			
Type of Component Placed on Delay of Repair * (§60.5420a(b)(7)(xi))	NA.	NA.	NA	NA			
Number of Each Component Type Placed on Delay of Repair * (§60.5420a(b)(7)(xi))							

40 CFR Part SI - Standards of Performance for Crude Off and Natural Gat Teclifies for which Construction, Musilification or Reconstruction Commenced After September 18, 2015 - 60.5420s(b) Annual Report

For the collection of furthire emissions components at each well site and the collection of highlive emissions components at each compressor station within the company-defined area, an owner or operator must include the recents of such maintaining survey including the information specified in puregraphs (b)(7(0) strongly (ci) of this section is all senses reports.

	Facility Record No. *	1	- 1		1		
	Explanation for Delay of Report * (668 Selfours(77)=()	NA	NA.	NA.	NA.		
	Type of Instrument Used to Resurvey Repaired Components Not Repaired During Original Servey * (160 5470abb)(7)pmiii	NA.	19 Carriera	IA Camera	, M. Carneny		
ou	Training and Experience of Surveyor * (§60.5420a(o)(7)(iii))	24 years of leak detection and repair experience in Rold	24 years of leak detection and repair experience in field	2+ years of leak detection and report experience in field	Ze years of leak detection and repair experience in field		
	Was a mornforing survey worked under § 60.5397a(g)(5)? * (\$60.5420a(b)(7))						
Compressor Station Affected Facility Only	If a monitoring survey was writed, the calendar months that make out the quarterly monitoring period for which the monitoring survey was maked, " [\$60.54204(0)(7)]						

ECPR Part 60 - Standards of Performance for Crude Oil and Natural Gas Esclibtus for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60 5420a(b) Annual Report

for each well effected facility, an owner or operator must include the information specified in paragraphs (\$1)(2)(1) through ((1)) of this section in all annual reports.

	Facility Record No. 1						,			
	United States Well founder* (\$60.5420w(bir(1)04)	05-123-42254	05-123-42255	05-123-42256	05-123-42257	05-123-42258	05-121-42259	05-123-47260	05-123-42261	65-125-42262
	Records of desirations where well complition appreciate well complition appreciate with hydroxic fracturing were not performed in compliance with the requirements specified in \$ 60.5375s. * (\$46.5426)(2.0)9 and \$40.5426(2.0)9.	50.0	NA.	M	544	M	Sea.	64	NA.	**
0.543Za Law Pinssure Wells	Plane grounds the file name that contains the Record of Determination and Supervise Injury and Contactions (643-850)(2)(9) and 560-850)(2)(9) and 560-850) (12)(9) These grounds only one file per record.									
	Well Completion ID *	NA NA	NA	NA.	NA	NA.	NA.	HA .	NA.	NA.
All Well Completions	(\$60.5420a(h)£2)/b and									
	\$60:54/0w(c)(1)(-1)) Well-Location: *	b) (9)	Completion B	Corpletion C	Consideren D	Completion f	Europerica F	Enquietion is	Consisting	Commission I
	(\$60,5430a(b)(23)) and 860,5430a(c)(3)(H(6A)-(8))	D) (a)								
	Date of Creat of Finebook Following Hydradic Fracturing or Refracturing * (860.5420e(b)(236) and 890.5420e(b)(11880A)-(10)	\$1/12/2014	11/30/2016	11/9/2016	11/9/2016	11/12/2016	11/14/2016	11/14/2036	11/14/7016	11/9/2016
	Time of Orset of Flowback Following Hydraulic Fracturing or Refracturing * (960-5420s/5)(2)(5 and \$60-5420s(c)(1)(RE)A) (III)	12:00 a.m.	12 90 a.m.	17-00 a.m.	12:00 s.m.	12 60 a.m.	12:00 a.m.	12:00 a.m.	12:00 s.m.	12:00 s.m.
	Date of Each Attempt to Direct Francisch to a Separator * (660.5420a/b)(2)() and 660.5420a(c)(3)(HEXA)-(83)	11/12/2016	11/10/2016	11/9/2016	11/9/2016	11/12/2016	11/14/2014	11/14/2016	11/14/2014	11/9/2016
	Time of Each Assumpt to Direct Flowback to a Separator * [860.5420a(b)(2)() and 860.5420a(c)(1)(80(A)-(8)0	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12:00 AM	12 GO AM	12 00 AM	12:00 AM
	Bure of Each Occurrence of Returning to the hitful Flowback Stage * (800.54-20w/b)(2)(3) and \$60.54-20w/b)(2)(3) (40)	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.	NA.
Well Affected Facilities Required to Compty with 86.53754(a) and \$60.53754(f)	Time of Each Occurrence of Returning to the Initial Rowbiack Stage * (960.3420a/b)(2)() and \$60.5420a/b)(1)(06(A)-(65)	NA.	NA	NA.	NA.	NA.	N4	NA.	NA.	NA.
	Date Vivil Shut in and Flowback Equipment Permanently Disconnected or the Status of Freduction * 1560.5420a(b)(280) and 860.5420a(b)(9804) 4603	1/14/7017	1/14/2017	1/74/7017						
	Town Well Shot in and Flowback Equipment Fernances (Stoomworld or the Startes of Freduction * (586.5420a(b)(28)) and \$60.5420a(c)(3)(6)(4)(8))	1/14/7017 17:00 AM	1/1A/2017	1/78/7017	1/28/5017 12:80 AM	1/14/2017	17 90 AM	1/1/2017	1/1/2017	12:00 AM
	Duration of Fiburbook in Flours * 8560.5420e(b)(200) and 8660.5420e(c)(300+86A) (80)	1512	1940	1929	1929	1512	1152	1852	1352	1920
	Duration of Recovery in Hours * [Not Required for Winth Complying with \$40.5275q(f)] [\$46.5470a(b)(28) and \$40.5470a(b)(28) (A8)	1512	1540	1939	1520	1512	1152	1352	1152	1990
	Disposition of Recovery * (See 5429k/bic/280 and 860 5429k/c/2888/k/) (80)	Fyeine	Fignine	Ppeine	Ppeine	Poeline	Fiprine	Fiprine	Pgeine	Paprine

49 CFR Furt SG - Standards of Performance for Crede CH and Robust Gan Facilities for which Construction, Medification or Reconstruction Communication Languages LA, 2015 - 50 SAZDLASS Second Experies

for each well affected builty, on money or operator total builds the before properly to paragraphs (scilin) through (s) of this parties in all among apparatus

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	Facility Record No. *									
	Desertion of Communities on Income?" (666 5420a0)(C)(ii) and									
	\$40.7430a033303(A)-(N)	ě.								a
11	Districts of Westing in House 1 (640) 542000 (CO)) and			190	67.0	- 7				
	See National Section 185		_	1		-			-	- 4
	SHE SCHOOLSESS and SHE SACRESS SHEET AND SHEET SHEET SHEET AND SHEET	-		**			MA.	NA.	SA.	NA.
	Mid-Laryton * (SALSADVARCE)) and SALSADVARCE)				- 7					
	Specific Surgetion Charmes* (SHE MCDuSH)(SHE) and (SHE MCDuSH)(SHE)									
	traving but to the Ferral the (kell Glasses and under the Essentian 1 (1900 3450 at 650 th and 660 5450 at 650 at									
	Colong Over for the famile the West Operated under the Exception * 1600.5426x0 (220) and 1600.5426x0 (220) and									
- 43	Miny the Wild Steets the Claimed Economics * (\$40.5420eb)(2)(3 and \$40.5420eb)(2)(94)									
Exceptions Under- 60-S375a(at(3) - Tychroselly	Name of Neurost Gettering Line* (Sec Scotch(G)(r) and Jen NASCe(G(X)(e)(A)-(N))									
leasible to Route to the Gar or Line or Collection System, orject lots a Well, the as on rule Paul Source, or Use for	Lacange of Newton Garmening Line * (860: Secure) (CC) (8 and (860: Sec									
other Vyellel Pergram Served by a Perchanal hoel or Nam Makerial	Professor Commissions Proceeding Southing to the Line * [966.04206/002219.046 [665.94206/02219064-98]									
	Control, Respection, and Show Service Considered * 1998-34-Debts(CS) and 561-34-Debts(SS) mid-1999									
	Aquest of the in Equipment Frameling Use of Nazirvanial San on 6 Fuyl County (596 Sc/Sechol/2)) and 600 S450cc (\$160004-05)									
	Perfected Complete and Presenting traced feature and size for Celear (see Ad- Pospera * (449.54 (MCHC(2)) and 540 (440.64 (MHA) (40)									
	Additional Reasons for Fechnical infrashletts 1 (866 5429e(n(23)) and 660 5420a(n(1860)A)-983 food (second									
	(SER ALTERCATION) AND SERVATING (STORIGH) AND (CI)									
Vell Affectual Furtilize Marking to be Charles of 500 1574-bild 157000 (1900 1574-bill 15700) Furtilized for the Charles Furtilized for the Charles Condensate, Vitamendial Lipidous day legisle, or Furdance furtilized for the Lipido Oratical Service Statistics of Separation Control	Boar of Court of Houseach Following Mydrocks Fracturing or Authorizing * (860 SACHEROSCO) and MIN SACHEROSCO() and ICO									
	There of Owner of Florences Full recognitions of Community for the Property of Red Schooling III (1988) NATIONAL SCHOOL (1988) NATIONAL SCHOOL (1988) NATIONAL SCHOOL (1988) NATIONAL SCHOOL (1988) NATIONAL SCHOOL (1988) N									
	Date that the list and fleeded. Exception Fermioning Discovered as the Southern of Purchaster's first NASHARITY and 800 NASHARITY (SEE NASHARITY and 800 NASHARITY (SEE NA									

46 (18 For the Manufacth of Surfamence for Copin Oil and Natural Star Facilities for advice Commission of Manufacth Commission of Manufacth Commission (After Supramor 18, 2015 - 63 (425mb) Accord Against

for such and affected facility, or succes or operator must believe the information specifies in paragraphs (see the though (ii) of this section in all around report

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	Facility Record No. *			la le	100		
	Tow Will Dist in and Powher's Evidence Permission by Dissembles or Im Status of Production * (845.5455-81571) and 646.5455-815710 and 646.5455-81570 and (D)						
	Dunction of Tomback in House of (Not Selbolis (201) and Mat Sezbolis (Selbolis and Cor						
	Superior of Communition in House * 1940 S4200(0)(0)(4) and MRSS4200(0)(0)(4) and (0)						
	Dynobus of Herting in House * Biol SKONAH-COH and His Historica SHIPA and College Resour for Young in fice of College						
	or Computers " (NG 3420x8xC0) and Add 5420x8xC0) and (CD				1		
# Affected Facilities Meeting the Citaria of 60 1375ata(15)(0)(A) - Not Mydraulically restause/ Betractured with	Does well still mast the conditions of \$40.527a(\$) ((A) F * (60.547b(6)(20) and (60.547b(6)(20) ((A) F)						
ingutés on the Not Generale Condunçate, informediate Brythosurbon Liquids, or Frenkused Water (No Liquid Bertide System or Separator	Figure Vel Completion Operation Stopped * (666.54256(b)(2)(i) and \$80.5420(c)(1)(ii)(C)(2)(i)						
Gruffal	If applicable Tims weet Completion Operation Inspeed * (560.5420e(c))() and \$60.5420e(c)(1)()()()()						
	If applicative Described to related to green Secretary level and secretary level secretary lev						
	I approper The Sounder Intoles 1 1993 ACM ISSN 1994 965 ACM ISSN 1994 An Tree Book officials at the well						
	are their legals delicion at the solid feet of their legals, their legals, the feet of their legals, the fall legals of their legals, the discount part information in the discount part information in the complete. ** [500.5400x1500] and \$00.5400x1500[00219]						
orall different Facilities reported to Comply with Noth 0.5075 of q(1) and (3) blong a glad Phota in Ing. of Reservi- rentmal by 100 ACON (CISS) (Repugh (bd)	Pieces provide the Nis name that sentence the English Prolong and well- contains the English Prolong and with English release and Lethode and Language released for aims shallo 075, Stoweng Recovers English (800 54326(673));6] Floors provide only are the pur- faced.						
	SMA Location* (SMA SACRESCE LIVERS)						
sted Affected Facilities Monthly the Uniterior of NGE/Fingl CRIE of of Sin per Seek Ten Servir of Old Produced	Person provided from that contains the formed of the object or formed in Claim shall dead the SCP leggl in Claim shall dead the SCP leggl in Claim shall be the state of the contain the shall be shall be set and be shall be set and be shall be set the shall be shall be shall be from a provide and provide as the set and be shall be set the set and be shall be shall be set the shall be shall be shall be the shall be shall be shall be the shall be shall be shall be the shall be shall be the shall be shall be the br>the shall be the the the the the the the th						
	Outs the self-most the requirements of Self-EST-Self* Aimed on references and self-fromes after researche models, the streetment and other self-models in the decument are large from a self-self-self-self-self-self-self-self-						